WM-D6C/TC-D6C

SONY
SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model

SUPPLEMENT-2

File this supplement with the service manual.

Subject: Change of the Main Board.

This Supplement-2 contains only the information about WM-D6C.
The printed circuit boards changes to the new one.
The spectral skewing board and the DC-DC board are built in the new main board.

Destination	Serial No.
US	After 267,201
Canadian	After 270,001
AEP	After 269,301
UK	After 269,601
E	After 270,001

- **SCHEMATIC DIAGRAM**
- **PRINTED WIRING BOARD**
- **ELECTRICAL PARTS LIST**

9-951-385-82

Sony Corporation
General Audio Group

English
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AUTO OFF | LED

SECTION 5 EXPLODED VIEWS AND PARTS LIST
(Service Manual see pages 31 to 36)

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA..: μA.. uPA..: μPA.
  uPB..: μPB. uPC..: μPC. uPD..: μPD.
- CAPACITORS
  uF: μF
- COILS
  uH: μH

When indicating parts by reference number, please include the board.

Ref.No.	Part No.	Description			Remark
*	A-3060-814-A	AUTO OFF BOARD, COMPLETE			
		**********			
*	3-308-430-00	RETAINER, REFLECTOR, PHOTO			
		< CAPACITOR >			
C701	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C702	1-135-161-21	TANTALUM CHIP	22uF	10%	10V
C703	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C704	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C705	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C706	1-135-159-21	TANTALUM CHIP	10uF	10%	20V
		< DIODE >			
D701	8-719-801-78	DIODE 1SS184			
		< IC >			
IC701	8-759-958-14	IC MSM58141RS			
		< PHOTO INTERRUPTER >			
PH701	8-719-751-42	DIODE NJL5141E-AA			
		< TRANSISTOR >			
Q701	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q702	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q703	8-729-420-50	TRANSISTOR UN5215			
Q704	8-729-420-50	TRANSISTOR UN5215			
		< RESISTOR >			
R701	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R702	1-216-109-00	METAL CHIP	330K	5%	1/10W
R703	1-216-097-00	METAL CHIP	100K	5%	1/10W
R704	1-216-103-91	METAL GLAZE	180K	5%	1/10W
R705	1-216-103-91	METAL GLAZE	180K	5%	1/10W
R706	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R708	1-216-081-00	METAL CHIP	22K	5%	1/10W
R710	1-216-101-00	METAL CHIP	150K	5%	1/10W
R711	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R712	1-216-097-00	METAL CHIP	100K	5%	1/10W
R713	1-216-121-00	METAL CHIP	1M	5%	1/10W
R714	1-216-081-00	METAL CHIP	22K	5%	1/10W
R715	1-216-129-00	METAL CHIP	2.2M	5%	1/10W
R716	1-216-031-00	METAL CHIP	180	5%	1/10W
		< VIBRATOR >			
X701	1-527-957-00	OSCILLATOR, CRYSTAL (34.7KHz)			
		**********			
*	A-3060-816-A	LED BOARD, COMPLETE			
		**********			
*	3-305-888-00	RETAINER			
	3-305-897-00	HOLDER, LED			
	3-557-575-00	SPRING, COMPRESSION			
	3-831-441-XX	SPACER			
	4-017-441-01	CUSHION (B)			
	7-627-451-38	SCREW, PRECISION +K 1.4X2			
		< CAPACITOR >			
C801	1-126-193-11	ELECT	1uF	20%	50V
C802	1-126-603-11	ELECT CHIP	4.7uF	20%	35V
C803	1-124-778-00	ELECT CHIP	22uF	20%	6.3V
C804	1-135-091-91	TANTAL. CHIP	1uF	20%	16V
		< DIODE >			
D801	8-719-915-54	DIODE SLP159B			
D802	8-719-915-54	DIODE SLP159B			
D803	8-719-915-54	DIODE SLP159B			
D804	8-719-915-54	DIODE SLP159B			
D805	8-719-915-54	DIODE SLP159B			
		< IC >			
IC801	8-752-060-72	IC CX10043-T4			
		< TRANSISTOR >			
Q801	8-729-120-28	TRANSISTOR 2SC1623-L5L6			

LED | MAIN

Ref.No.	Part No.	Description			Remark
		< RESISTOR >			
R801	1-216-073-00	METAL CHIP	10K	5%	1/10W
R802	1-216-073-00	METAL CHIP	10K	5%	1/10W
R804	1-216-097-00	METAL CHIP	100K	5%	1/10W
R805	1-216-073-00	METAL CHIP	10K	5%	1/10W
R806	1-216-097-00	METAL CHIP	100K	5%	1/10W
R807	1-216-073-00	METAL CHIP	10K	5%	1/10W
R808	1-216-075-00	METAL CHIP	12K	5%	1/10W
R809	1-216-091-00	METAL CHIP	56K	5%	1/10W
R810	1-216-093-00	METAL CHIP	68K	5%	1/10W
R811	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R812	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R813	1-216-001-00	METAL CHIP	10	5%	1/10W
R814	1-216-031-00	METAL CHIP	180	5%	1/10W
R815	1-216-031-00	METAL CHIP	180	5%	1/10W
R816	1-216-031-00	METAL CHIP	180	5%	1/10W
R817	1-216-031-00	METAL CHIP	180	5%	1/10W
R818	1-216-031-00	METAL CHIP	180	5%	1/10W
R819	1-216-049-00	METAL CHIP	1K	5%	1/10W
		< SWITCH >			
S801	1-554-746-11	SWITCH, SLIDE (PEAK/BATT)			
S802	1-552-642-00	SWITCH (DOLBY NR)			
S803	1-552-642-00	SWITCH (TAPE)			
		**********			
*	A-3060-812-A	MAIN BOARD, COMPLETE			
		**********			
	3-305-801-00	SPRING			
	3-305-868-00	KNOB, SPEED CONTROL			
	3-305-873-00	TERMINAL BOARD, BATTERY			
	3-701-436-11	WASHER, 1.6 POLYETHYLENE			
	3-831-441-XX	SPACER			
	7-627 552-38	SCREW, PRECISION +P 1.7X3			
		< CAPACITOR >			
C101	1-128-594-11	ELECT CHIP	1uF	20%	50V
C102	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C103	1-126-207-11	ELECT CHIP	33uF	20%	4V
C104	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C105	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C106	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C107	1-126-603-11	ELECT CHIP	4.7uF	20%	35V
C108	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C109	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C110	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C111	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C112	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C113	1-163-006-11	CERAMIC CHIP	560PF	10%	50V
C114	1-104-555-11	FILM CHIP	0.022uF	5%	16V
C115	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C116	1-104-547-11	FILM CHIP	0.0047uF	5%	16V
C117	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C118	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C119	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C120	1-135-201-11	TANTALUM CHIP	10uF	20%	4V
C121	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V
C122	1-126-193-11	ELECT	1uF	20%	50V
C123	1-135-072-21	TANTALUM CHIP	0.22uF	10%	35V
C124	1-104-559-11	FILM CHIP	0.047uF	5%	16V
C125	1-104-559-11	FILM CHIP	0.047uF	5%	16V
C126	1-104-559-11	FILM CHIP	0.047uF	5%	16V
C127	1-135-070-00	TANTALUM CHIP	0.1uF	10%	35V
C128	1-135-072-21	TANTALUM CHIP	0.22uF	10%	35V
C129	1-163-020-00	CERAMIC CHIP	0.0082uF	10%	50V
C130	1-126-190-11	ELECT	0.33uF	20%	50V
C131	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C132	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C133	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C134	1-163-011-11	CERAMIC CHIP	0.0015uF	10%	50V
C135	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C136	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C137	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C138	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C139	1-126-601-11	ELECT CHIP	2.2uF	20%	50V
C141	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C142	1-135-070-00	TANTALUM CHIP	0.1uF	10%	35V
C143	1-135-179-21	TANTAL. CHIP	2.2uF	10%	16V
C144	1-135-210-11	TANTALUM CHIP	4.7uF	20%	10V
C145	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C146	1-104-553-11	FILM CHIP	0.015uF	5%	16V
C147	1-104-552-11	FILM CHIP	0.012uF	5%	16V
C148	1-104-553-11	FILM CHIP	0.015uF	5%	16V
C149	1-109-809-91	CAP, CHIP MICA	2.2PF	0.25PF	100V
C151	1-163-888-11	CERAMIC CHIP	180PF	5%	100V
C152	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C153	1-163-011-11	CERAMIC CHIP	0.0015uF	10%	50V
C154	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C155	1-163-006-11	CERAMIC CHIP	560PF	10%	50V
C201	1-128-594-11	ELECT CHIP	1uF	20%	50V
C202	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C203	1-126-207-11	ELECT CHIP	33uF	20%	4V
C204	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C205	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C206	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C207	1-126-603-11	ELECT CHIP	4.7uF	20%	35V

MAIN

Ref.No.	Part No.	Description			Remark
C208	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C209	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C210	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C211	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C212	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C213	1-163-006-11	CERAMIC CHIP	560PF	10%	50V
C214	1-104-555-11	FILM CHIP	0.022uF	5%	16V
C215	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C216	1-104-547-11	FILM CHIP	0.0047uF	5%	16V
C217	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C218	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C219	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C220	1-135-201-11	TANTALUM CHIP	10uF	20%	4V
C221	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V
C222	1-126-193-11	ELECT	1uF	20%	50V
C223	1-135-072-21	TANTALUM CHIP	0.22uF	10%	35V
C224	1-104-559-11	FILM CHIP	0.047uF	5%	16V
C225	1-104-559-11	FILM CHIP	0.047uF	5%	16V
C226	1-104-559-11	FILM CHIP	0.047uF	5%	16V
C227	1-135-070-00	TANTALUM CHIP	0.1uF	10%	35V
C228	1-135-072-21	TANTALUM CHIP	0.22uF	10%	35V
C229	1-163-020-00	CERAMIC CHIP	0.0082uF	10%	50V
C230	1-126-190-11	ELECT	0.33uF	20%	50V
C231	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C232	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C233	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C234	1-163-011-11	CERAMIC CHIP	0.0015uF	10%	50V
C235	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C236	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C237	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C238	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C239	1-126-601-11	ELECT CHIP	2.2uF	20%	50V
C241	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C242	1-135-070-00	TANTALUM CHIP	0.1uF	10%	35V
C243	1-135-179-21	TANTAL. CHIP	2.2uF	10%	16V
C244	1-135-210-11	TANTALUM CHIP	4.7uF	20%	10V
C245	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C246	1-104-553-11	FILM CHIP	0.015uF	5%	16V
C247	1-104-552-11	FILM CHIP	0.012uF	5%	16V
C248	1-104-553-11	FILM CHIP	0.015uF	5%	16V
C249	1-109-809-91	CAP, CHIP MICA	2.2PF	0.25PF	100V
C251	1-163-888-11	CERAMIC CHIP	180PF	5%	100V
C252	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C253	1-163-011-11	CERAMIC CHIP	0.0015uF	10%	50V
C254	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C255	1-163-006-11	CERAMIC CHIP	560PF	10%	50V
C301	1-126-395-11	ELECT	22uF	20%	16V
C302	1-135-159-21	TANTALUM CHIP	10uF	10%	20V
C303	1-124-779-00	ELECT CHIP	10uF	20%	16V
C304	1-126-395-11	ELECT	22uF	20%	16V
C305	1-135-202-21	TANTAL. CHIP	22uF	20%	4V
C306	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C307	1-124-778-00	ELECT CHIP	22uF	20%	6.3V
C308	1-135-155-21	TANTALUM CHIP	4.7uF	10%	16V
C309	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C310	1-126-601-11	ELECT CHIP	2.2uF	20%	50V
C311	1-130-896-00	FILM	0.0082uF	5%	400V
C312	1-135-179-21	TANTAL. CHIP	2.2uF	10%	16V
C313	1-104-547-11	FILM CHIP	0.0047uF	5%	16V
C314	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C316	1-124-120-11	ELECT	220uF	20%	25V
C317	1-124-120-11	ELECT	220uF	20%	25V
C318	1-126-246-11	ELECT CHIP	220uF	20%	4V
C319	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C320	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C321	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C322	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C601	1-126-187-11	ELECT	0.1uF	20%	50V
C602	1-126-191-11	ELECT	0.47uF	20%	50V
C603	1-126-189-11	ELECT	0.22uF	20%	50V
C604	1-163-012-00	CERAMIC CHIP	0.0018uF	10%	50V
C605	1-130-865-11	FILM	0.0033uF	5%	50V
C606	1-135-201-11	TANTALUM CHIP	10uF	20%	4V
C607	1-126-204-11	ELECT CHIP	47uF	20%	16V
C608	1-135-092-21	TANTALUM CHIP	3.3uF	10%	16V
C609	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C610	1-104-550-11	FILM CHIP	0.0082uF	5%	16V
C611	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C612	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C613	1-104-547-11	FILM CHIP	0.0047uF	5%	16V
C614	1-163-011-11	CERAMIC CHIP	0.0015uF	10%	50V
		< CONNECTOR >			
CN301	1-507-749-00	JACK, EXTENTION POWER (DC IN 6V)			
		< COMPOSITION CIRCUIT BLOCK >			
CP101	1-235-317-11	FILTER, LOW PASS			
CP102	1-235-318-11	FILTER, SP-SK			
CP201	1-235-317-11	FILTER, LOW PASS			
CP202	1-235-318-11	FILTER, SP-SK			
CP304	1-464-183-21	CONVERTER UNIT, DC-DC			
		< DIODE >			
D302	8-719-801-78	DIODE 1SS184			
D303	8-719-801-78	DIODE 1SS184			

SECTION 4 DIAGRAMS

(Service Manual see pages 20 to 25)

PRINTED WIRING BOARDS

- **Semiconductor Location**

Ref. No.	Location
D302	H-21
D303	I-20
D701	E-30
D801	G-5
D802	G-5
D803	F-5
D804	F-5
D805	F-5
IC101	G-24
IC102	I-23
IC201	F-26
IC202	I-21
IC301	J-25
IC302	J-19
IC601	J-28
IC701	E-30
IC801	F-4
PH701	F-30
Q101	F-19
Q102	F-19
Q103	E-19
Q104	E-21
Q105	E-22
Q106	F-22
Q107	F-22
Q108	I-19
Q109	J-22
Q201	G-20
Q202	F-20
Q203	E-20
Q204	G-21
Q205	G-21
Q206	G-21
Q207	F-22
Q208	H-19
Q209	J-22
Q301	E-20
Q302	J-25
Q303	J-24
Q304	J-24
Q305	J-26
Q306	J-26
Q307	I-27
Q308	I-26
Q309	I-26
Q310	H-19
Q311	H-20
Q312	H-19
Q313	H-20
Q314	H-21
Q315	H-21
Q316	G-21
Q317	G-21
Q318	E-22
Q319	E-23
Q320	E-23
Q321	F-22
Q322	E-22
Q601	J-27
Q701	F-31
Q702	E-31
Q703	F-31
Q704	E-31
Q801	G-4

【LED BOARD】(COMPONENT SIDE)

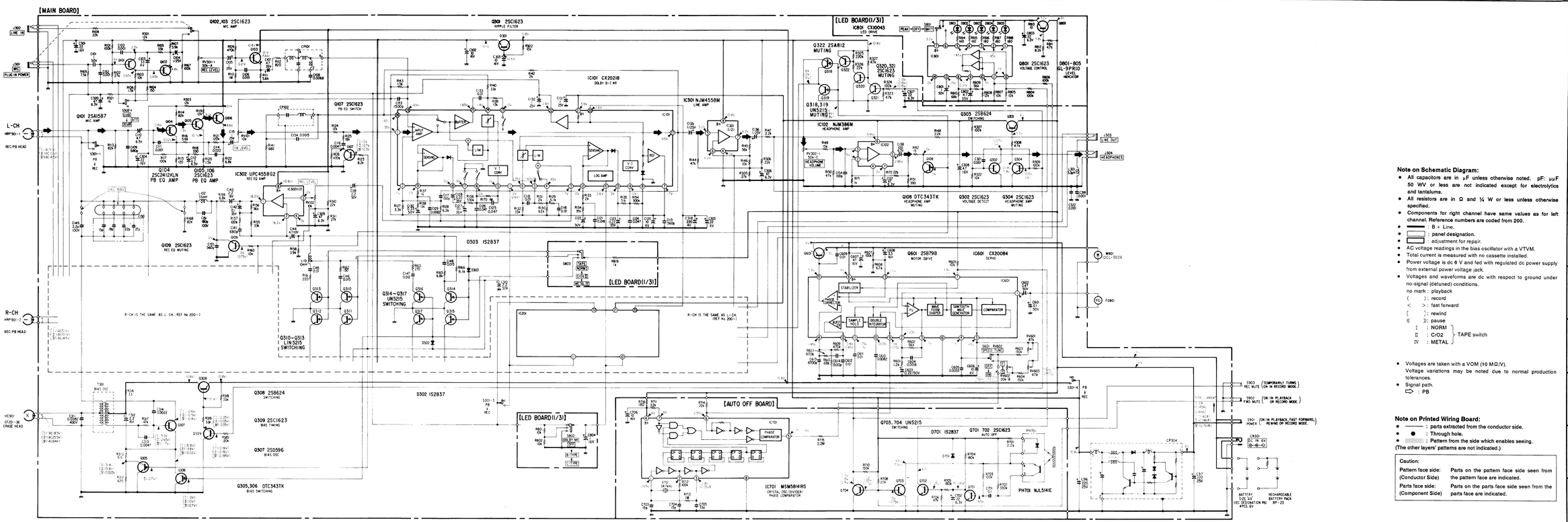
【LED BOARD】(CONDUCTOR SIDE)

【MAIN BOARD】(COMPONENT SIDE)

【MAIN BOARD】(CONDUCTOR SIDE)

【AUTO OFF BOARD】(COMPONENT SIDE)

【AUTO OFF BOARD】(CONDUCTOR SIDE)



Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: μμF
  50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- Components for right channel have same values as for left channel. Reference numbers are coded from 200.
- ——— : B + Line.
- ▭ : panel designation.
- ▭ : adjustment for repair.
- AC voltage readings in the bias oscillator with a VTVM.
- Total current is measured with no cassette installed.
- Power voltage is dc 6 V and fed with regulated dc power supply from external power voltage jack.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : playback
  ( ) : record
  < > : fast forward
  [ ] : rewind
  (( )) : pause
  I : NORM
  II : CrO2 } TAPE switch
  IV : METAL }
- Voltages are taken with a VOM (10 MΩ/V). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : PB

Note on Printed Wiring Board:

- ——— : parts extracted from the conductor side.
- ● : Through hole.
- ▨ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

MAIN

Ref.No.	Part No.	Description	Remark
		< IC >	
IC101	8-752-070-19	IC CX20218-T6	
IC102	8-759-700-50	IC NJM386M	
IC201	8-752-070-19	IC CX20218-T6	
IC202	8-759-700-50	IC NJM386M	
IC301	8-759-100-96	IC uPC4558G2	
IC302	8-759-100-96	IC uPC4558G2	
IC601	8-759-909-45	IC CX20084	
		< JACK >	
J301	1-507-794-31	JACK, SMALL TYPE (WITH SWITCH) (MIC)	
J302	1-507-929-41	JACK (LINE IN)	
J303	1-507-929-41	JACK (LINE OUT)	
J304	1-507-929-11	JACK (HEADPHONES)	
		< COIL >	
L101	1-408-682-00	INDUCTOR 10mH	
L102	1-408-930-00	INDUCTOR 33mH	
L201	1-408-682-00	INDUCTOR 10mH	
L202	1-408-930-00	INDUCTOR 33mH	
L301	1-410-198-51	INDUCTOR CHIP 3.3uH	
		< TRANSISTOR >	
Q101	8-729-013-29	TRANSISTOR 2SA1587-GRBL-TE85L	
Q102	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q103	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q104	8-729-016-80	TRANSISTOR 2SC2412KLN-T146-R	
Q105	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q106	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q107	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q108	8-729-920-31	TRANSISTOR DTC343TK	
Q109	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q201	8-729-013-29	TRANSISTOR 2SA1587-GRBL-TE85L	
Q202	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q203	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q204	8-729-016-80	TRANSISTOR 2SC2412KLN-T146-R	
Q205	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q206	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q207	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q208	8-729-920-31	TRANSISTOR DTC343TK	
Q209	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q301	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q302	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q303	8-729-162-45	TRANSISTOR 2SB624-BV5	
Q304	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q305	8-729-920-31	TRANSISTOR DTC343TK	
Q306	8-729-920-31	TRANSISTOR DTC343TK	
Q307	8-729-141-75	TRANSISTOR 2SD596DV345	

MAIN

Ref.No.	Part No.	Description	Remark
Q308	8-729-162-45	TRANSISTOR 2SB624-BV5	
Q309	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q310	8-729-420-50	TRANSISTOR UN5215	
Q311	8-729-420-50	TRANSISTOR UN5215	
Q312	8-729-420-50	TRANSISTOR UN5215	
Q313	8-729-420-50	TRANSISTOR UN5215	
Q314	8-729-420-50	TRANSISTOR UN5215	
Q315	8-729-420-50	TRANSISTOR UN5215	
Q316	8-729-420-50	TRANSISTOR UN5215	
Q317	8-729-420-50	TRANSISTOR UN5215	
Q318	8-729-420-50	TRANSISTOR UN5215	
Q319	8-729-420-50	TRANSISTOR UN5215	
Q320	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q321	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q322	8-729-216-22	TRANSISTOR 2SA1162-G	
Q601	8-729-101-07	TRANSISTOR 2SB798-DL	
		< RESISTOR >	
R101	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R102	1-216-083-00	METAL CHIP 27K 5% 1/10W	
R103	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R104	1-216-029-00	METAL CHIP 150 5% 1/10W	
R105	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R106	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R107	1-216-063-00	METAL CHIP 3.9K 5% 1/10W	
R108	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R109	1-216-113-00	METAL CHIP 470K 5% 1/10W	
R110	1-216-121-00	METAL CHIP 1M 5% 1/10W	
R111	1-216-067-00	METAL CHIP 5.6K 5% 1/10W	
R112	1-216-047-00	METAL CHIP 820 5% 1/10W	
R113	1-216-095-00	METAL CHIP 82K 5% 1/10W	
R114	1-216-095-00	METAL CHIP 82K 5% 1/10W	
R115	1-216-027-00	METAL CHIP 120 5% 1/10W	
R116	1-216-067-00	METAL CHIP 5.6K 5% 1/10W	
R117	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R118	1-216-037-00	METAL CHIP 330 5% 1/10W	
R119	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R120	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R121	1-216-099-00	METAL CHIP 120K 5% 1/10W	
R122	1-216-069-00	METAL CHIP 6.8K 5% 1/10W	
R123	1-216-071-00	METAL CHIP 8.2K 5% 1/10W	
R124	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R125	1-216-079-00	METAL CHIP 18K 5% 1/10W	
R126	1-216-113-00	METAL CHIP 470K 5% 1/10W	
R127	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R128	1-216-068-00	METAL CHIP 6.2K 5% 1/10W	
R129	1-216-066-00	METAL CHIP 5.1K 5% 1/10W	
R130	1-216-092-00	METAL GLAZE 62K 5% 1/10W	

MAIN

Ref.No.	Part No.	Description	Remark
R131	1-216-056-00	METAL GLAZE 2K 5% 1/10W	
R132	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R133	1-216-056-00	METAL GLAZE 2K 5% 1/10W	
R134	1-216-689-11	METAL CHIP 39K 0.5% 1/10W	
R135	1-216-090-00	METAL CHIP 51K 5% 1/10W	
R136	1-216-109-00	METAL CHIP 330K 5% 1/10W	
R137	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R138	1-216-076-00	METAL CHIP 13K 5% 1/10W	
R139	1-216-076-00	METAL CHIP 13K 5% 1/10W	
R140	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R141	1-216-045-00	METAL CHIP 680 5% 1/10W	
R142	1-216-056-00	METAL GLAZE 2K 5% 1/10W	
R143	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R144	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R145	1-216-091-00	METAL CHIP 56K 5% 1/10W	
R146	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R147	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R148	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R149	1-216-077-00	METAL CHIP 15K 5% 1/10W	
R150	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R151	1-216-039-00	METAL CHIP 390 5% 1/10W	
R152	1-216-005-00	METAL CHIP 15 5% 1/10W	
R154	1-216-108-00	METAL GLAZE 300K 5% 1/10W	
R155	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R156	1-216-091-00	METAL CHIP 56K 5% 1/10W	
R157	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R158	1-216-063-00	METAL CHIP 3.9K 5% 1/10W	
R159	1-216-069-00	METAL CHIP 6.8K 5% 1/10W	
R160	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R161	1-216-033-00	METAL CHIP 220 5% 1/10W	
R162	1-216-029-00	METAL CHIP 150 5% 1/10W	
R163	1-216-035-00	METAL CHIP 270 5% 1/10W	
R165	1-216-069-00	METAL CHIP 6.8K 5% 1/10W	
R166	1-216-072-00	METAL CHIP 9.1K 5% 1/10W	
R167	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R168	1-216-095-00	METAL CHIP 82K 5% 1/10W	
R169	1-216-070-00	METAL CHIP 7.5K 5% 1/10W	
R170	1-216-121-00	METAL CHIP 1M 5% 1/10W	
R171	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R172	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R201	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R202	1-216-083-00	METAL CHIP 27K 5% 1/10W	
R203	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R204	1-216-029-00	METAL CHIP 150 5% 1/10W	
R205	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R206	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R207	1-216-063-00	METAL CHIP 3.9K 5% 1/10W	
R208	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R209	1-216-113-00	METAL CHIP 470K 5% 1/10W	

Ref.No.	Part No.	Description	Remark
R210	1-216-121-00	METAL CHIP 1M 5% 1/10W	
R211	1-216-067-00	METAL CHIP 5.6K 5% 1/10W	
R212	1-216-047-00	METAL CHIP 820 5% 1/10W	
R213	1-216-095-00	METAL CHIP 82K 5% 1/10W	
R214	1-216-095-00	METAL CHIP 82K 5% 1/10W	
R215	1-216-027-00	METAL CHIP 120 5% 1/10W	
R216	1-216-067-00	METAL CHIP 5.6K 5% 1/10W	
R217	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R218	1-216-037-00	METAL CHIP 330 5% 1/10W	
R219	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R220	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R221	1-216-099-00	METAL CHIP 120K 5% 1/10W	
R222	1-216-069-00	METAL CHIP 6.8K 5% 1/10W	
R223	1-216-071-00	METAL CHIP 8.2K 5% 1/10W	
R224	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R225	1-216-079-00	METAL CHIP 18K 5% 1/10W	
R226	1-216-113-00	METAL CHIP 470K 5% 1/10W	
R227	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R228	1-216-068-00	METAL CHIP 6.2K 5% 1/10W	
R229	1-216-066-00	METAL CHIP 5.1K 5% 1/10W	
R230	1-216-092-00	METAL GLAZE 62K 5% 1/10W	
R231	1-216-056-00	METAL GLAZE 2K 5% 1/10W	
R232	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R233	1-216-056-00	METAL GLAZE 2K 5% 1/10W	
R234	1-216-689-11	METAL CHIP 39K 0.5% 1/10W	
R235	1-216-090-00	METAL CHIP 51K 5% 1/10W	
R236	1-216-109-00	METAL CHIP 330K 5% 1/10W	
R237	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R238	1-216-076-00	METAL CHIP 13K 5% 1/10W	
R239	1-216-076-00	METAL CHIP 13K 5% 1/10W	
R240	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R241	1-216-045-00	METAL CHIP 680 5% 1/10W	
R242	1-216-056-00	METAL GLAZE 2K 5% 1/10W	
R243	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R244	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R245	1-216-091-00	METAL CHIP 56K 5% 1/10W	
R246	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R247	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R248	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R249	1-216-077-00	METAL CHIP 15K 5% 1/10W	
R250	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R251	1-216-039-00	METAL CHIP 390 5% 1/10W	
R252	1-216-005-00	METAL CHIP 15 5% 1/10W	
R254	1-216-108-00	METAL GLAZE 300K 5% 1/10W	
R255	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R256	1-216-091-00	METAL CHIP 56K 5% 1/10W	
R257	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R258	1-216-053-00	METAL CHIP 3.9K 5% 1/10W	

MAIN

Ref.No.	Part No.	Description	Remark
R259	1-216-069-00	METAL CHIP 6.8K 5% 1/10W	
R260	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R261	1-216-033-00	METAL CHIP 220 5% 1/10W	
R262	1-216-029-00	METAL CHIP 150 5% 1/10W	
R263	1-216-035-00	METAL CHIP 270 5% 1/10W	
R265	1-216-069-00	METAL CHIP 6.8K 5% 1/10W	
R266	1-216-072-00	METAL CHIP 9.1K 5% 1/10W	
R267	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R268	1-216-095-00	METAL CHIP 82K 5% 1/10W	
R269	1-216-070-00	METAL CHIP 7.5K 5% 1/10W	
R270	1-216-121-00	METAL CHIP 1M 5% 1/10W	
R271	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R272	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R301	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R302	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R303	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R305	1-216-083-00	METAL CHIP 27K 5% 1/10W	
R306	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R307	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R308	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R309	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R310	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R311	1-216-083-00	METAL CHIP 27K 5% 1/10W	
R312	1-216-044-00	METAL CHIP 620 5% 1/10W	
R313	1-216-042-00	METAL CHIP 510 5% 1/10W	
R316	1-216-013-00	METAL CHIP 33 5% 1/10W	
R317	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R318	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R319	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R320	1-216-099-00	METAL CHIP 120K 5% 1/10W	
R321	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R322	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R323	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R324	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R325	1-216-105-00	METAL CHIP 220K 5% 1/10W	
R326	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R327	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R601	1-216-051-00	METAL CHIP 1.2K 5% 1/10W	
R602	1-216-091-00	METAL CHIP 56K 5% 1/10W	
R603	1-218-756-11	METAL CHIP 150K 0.5% 1/10W	
R604	1-218-756-11	METAL CHIP 150K 0.5% 1/10W	
R605	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R607	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R608	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R609	1-216-113-00	METAL CHIP 470K 5% 1/10W	
R610	1-216-093-00	METAL CHIP 68K 5% 1/10W	
R611	1-216-113-00	METAL CHIP 470K 5% 1/10W	

MAIN

Ref.No.	Part No.	Description	Remark
		< VARIABLE RESISTOR >	
RV101	1-238-204-11	RES., ADJ, METAL GLAZE 10K	
RV102	1-238-204-11	RES, ADJ, METAL GLAZE 10K	
RV201	1-238-204-11	RES, ADJ, METAL GLAZE 10K	
RV202	1-238-204-11	RES, ADJ, METAL GLAZE 10K	
RV301	1-230-275-11	RES, VAR, CARBON 50K/50K (REC LEVEL)	
RV302	1-228-545-00	RES, VAR, SLIDE 50K/50K (HEADPHONE VOLUM	
RV601	1-238-206-11	RES, ADJ, METAL GLAZE 47K	
RV602	1-228-607-00	RES, VAR, CARBON 20K (SPEED TUNE)	
RV603	1-238-206-11	RES, ADJ, METAL GLAZE 47K	
		< SWITCH >	
S301	1-554-029-00	SWITCH, SLIDE (PLAY/RECORD)	
S302	1-554-222-00	SWITCH, SLIDE (REC ATT)	
S601	1-570-856-11	SWITCH, SLIDE (SPEED TUNE)	
		< TRANSFORMER >	
T301	1-433-244-00	TRANSFORMER, BIAS OSCILLATOR	

****

MISCELLANEOUS

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FG301	A-3164-245-A	COIL ASSY, FG
HE901	8-825-724-00	HEAD, ERASE EF-201-36
HRP901	1-543-357-11	HEAD, MAGNETIC (REC/PLAY BACK)
M901	1-541-851-11	MOTOR
S901	1-553-226-00	SWITCH, LEAF
S902	1-552-181-00	SWITCH, LEAF
S903	1-553-198-00	SWITCH, LEAF
	1-548-516-23	TIMER, TAPE

WM-D6C/TC-D6C

SERVICE MANUAL

WM-D6C:
US Model
Canadian Model
AEP Model
UK Model
E Model
TC-D6C:
US Model

SUPPLEMENT

File this Supplement with the Service Manual.

Subject: DOLBY IC (IC101, 201) CHANGE

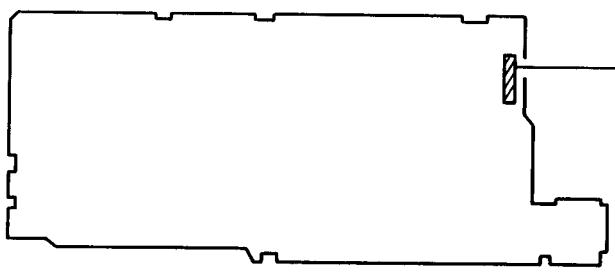
No. 1
January, 1985

	(Former)	(New)
IC101, 102	CX20068	➡ CX20218

Because of this change, main board and the circuit around DOLBY IC have been changed.

- New or former type can be identified by the part-number suffix of main board.

MAIN BOARD



Former type: 1-611-494-**11**
New type: 1-611-494-**12**

The mounting diagram and the schematic diagram for the main board whose part-number suffix is 12 are given in this suppliment.

As to information for the main board whose part-number suffix is 11, refer to the service manual previously issued.

- CHANGED PARTS . . . . . Page 2–3
- Semiconductor lead layouts . . . . . Page 3
- MOUNTING DIAGRAM . . . . . Page 4–6
- SCHEMATIC DIAGRAM . . . . . Page 7–10

STEREO CASSETTE-CORDER

SONY®

TC

- **CHANGED PARTS**

Note: Components for right channel is omitted. (Reference numbers are corded from 201.)

Ref. No.	Former (PC Board Suffix-11)	New (PC Board Suffix-12)
	Description	Part No.	Description
C103	TANTALUM 33μF 20% 6.3V	1-124-220-00	ELECT 33μF 20% 4V
C117	CERAMIC 100PF 10% 50V	1-102-108-00	CERAMIC 150PF 10% 50V
C121	CERAMIC 0.022μF 10% 25V	1-161-054-00	CERAMIC 0.018μF 10% 25V
C122	ELECT 2.2μF 20% 50V	1-124-255-00	ELECT 1μF 20% 50V
C123	TANTALUM 0.15μF 10% 35V	1-131-343-00	TANTALUM 0.22μF 10% 35V
C127	TANTALUM 0.15μF 10% 35V	1-131-341-00	TANTALUM 0.1μF 10% 35V
C128	TANTALUM 0.15μF 10% 35V	1-131-343-00	TANTALUM 0.22μF 10% 35V
C129	CERAMIC 0.0047μF 10% 25V	1-161-012-00	CERAMIC 0.0082μF 10% 25V
C134	CERAMIC 560PF 10% 50V	1-102-119-00	CERAMIC 0.0015μF 10% 50V
D101	DIODE 1S1555	———	
D201	DIODE 1S1555	———	
D301	DIODE HZ3ALL	———	
IC101	IC CX20068	8-752-021-80	IC CX20218
IC201	IC CX20068	8-752-021-80	IC CX20218
R134	CARBON 18KΩ 5% 1/6W	1-247-869-00	CARBON 39KΩ 5% 1/6W
R135	CARBON 240KΩ 5% 1/6W	1-247-872-00	CARBON 51KΩ 5% 1/6W
R136	CARBON 240KΩ 5% 1/6W	1-247-891-00	CARBON 330KΩ 5% 1/6W
R137	CARBON 1.8KΩ 5% 1/6W	1-247-831-00	CARBON 1KΩ 5% 1/6W
R138	CARBON 20KΩ 5% 1/6W	1-247-858-00	CARBON 13KΩ 5% 1/6W
R139	CARBON 15KΩ 5% 1/6W	1-247-858-00	CARBON 13KΩ 5% 1/6W
R141	CARBON 560Ω 5% 1/6W	1-247-827-00	CARBON 680Ω 5% 1/6W
R149	CARBON 27KΩ 5% 1/6W	1-247-859-00	CARBON 15KΩ 5% 1/6W
R150	CARBON 22KΩ 5% 1/6W	1-247-871-00	CARBON 47KΩ 5% 1/6W

Ref. No.	Former (PC Board Suffix-11)	New (PC Board Suffix-12)
	Description	Part No.	Description
R154	———	1-247-890-00	CARBON 300KΩ 5% 1/6W
R161	CARBON 240Ω 5% 1/6W	1-247-818-00	CARBON 300Ω 5% 1/6W
R170	———	1-247-903-00	CARBON 1MΩ 5% 1/6W
R171	———	1-216-198-00	METAL CHIP 1KΩ 5% 1/8W
R172	———	1-216-081-00	METAL CHIP 22KΩ 5% 1/10W
R312	CARBON 470Ω 5% 1/6W	1-247-826-00	CARBON 620Ω 5% 1/6W
R313	CARBON 390Ω 5% 1/6W	1-247-824-00	CARBON 510Ω 5% 1/6W

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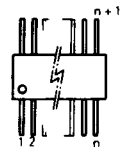
(345) LEVER, SPRING HOOK 3-557-405-00 ➡ 3-305-988-01

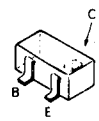
- **Semiconductor lead layouts**

CX10043
CX20218
CX20084
NJM386M
NJM4558M

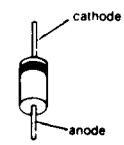


2SA1048-GR
2SB808
2SC2458
2SC2458L-BL

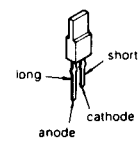
2SC1623



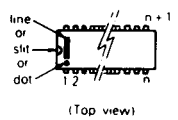
1S1555



GL9PR10

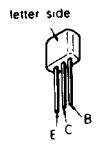


MSM58141RS

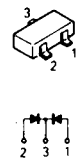


2SB1013
2SC2001

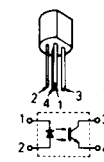
2SD1020



1S2837

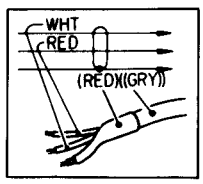


NJL5141E



Note: FOR MOUNTING DIAGRAM

- Color code of sleeving over the end of the jacket.



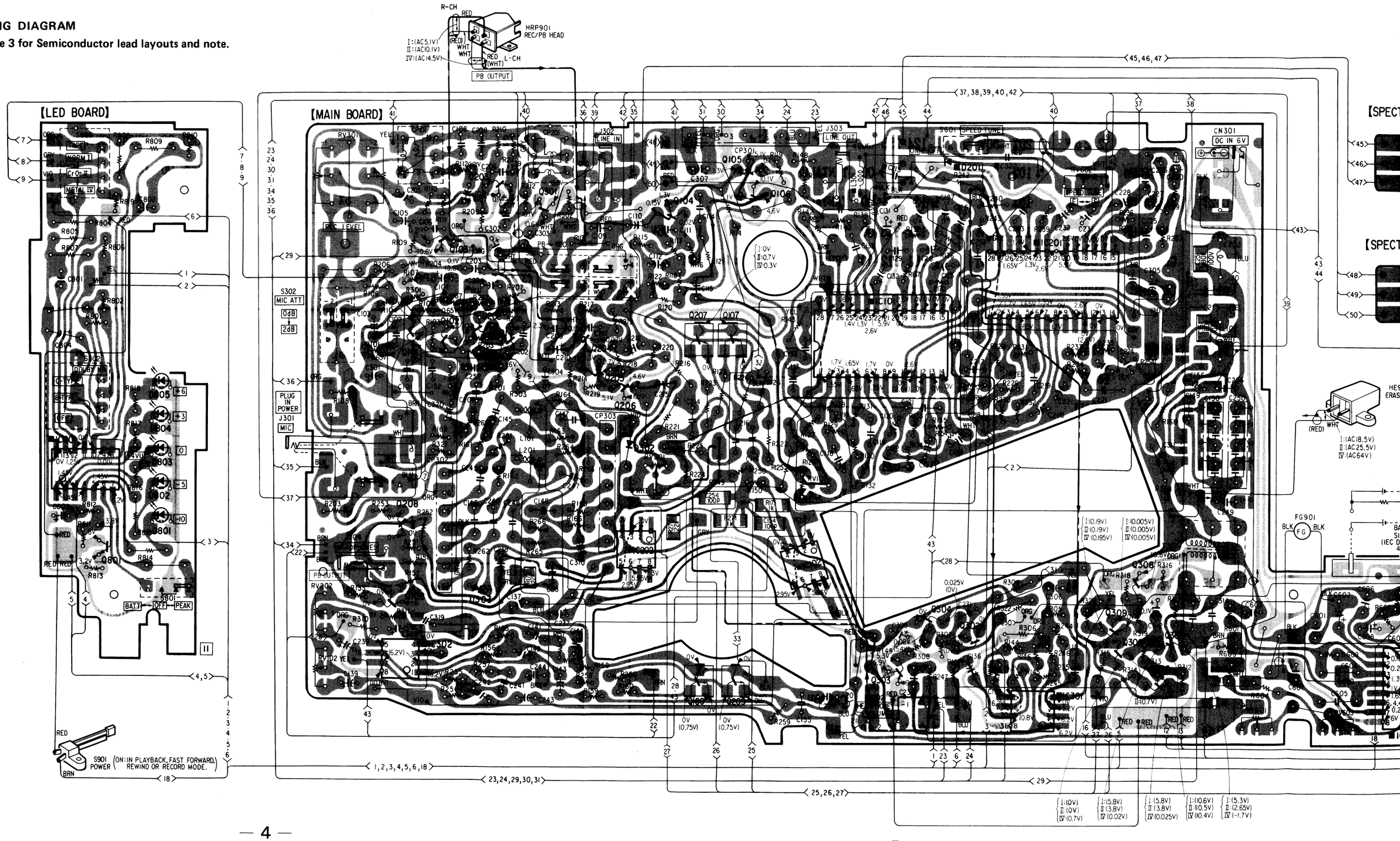
- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- ■ : part mounted on the conductor side.
- : B + pattern
- ▬▶▬ : signal path
- ▬▪▬▶ : L-CH signal path
- ▬▪▪▬▶ : R-CH signal path

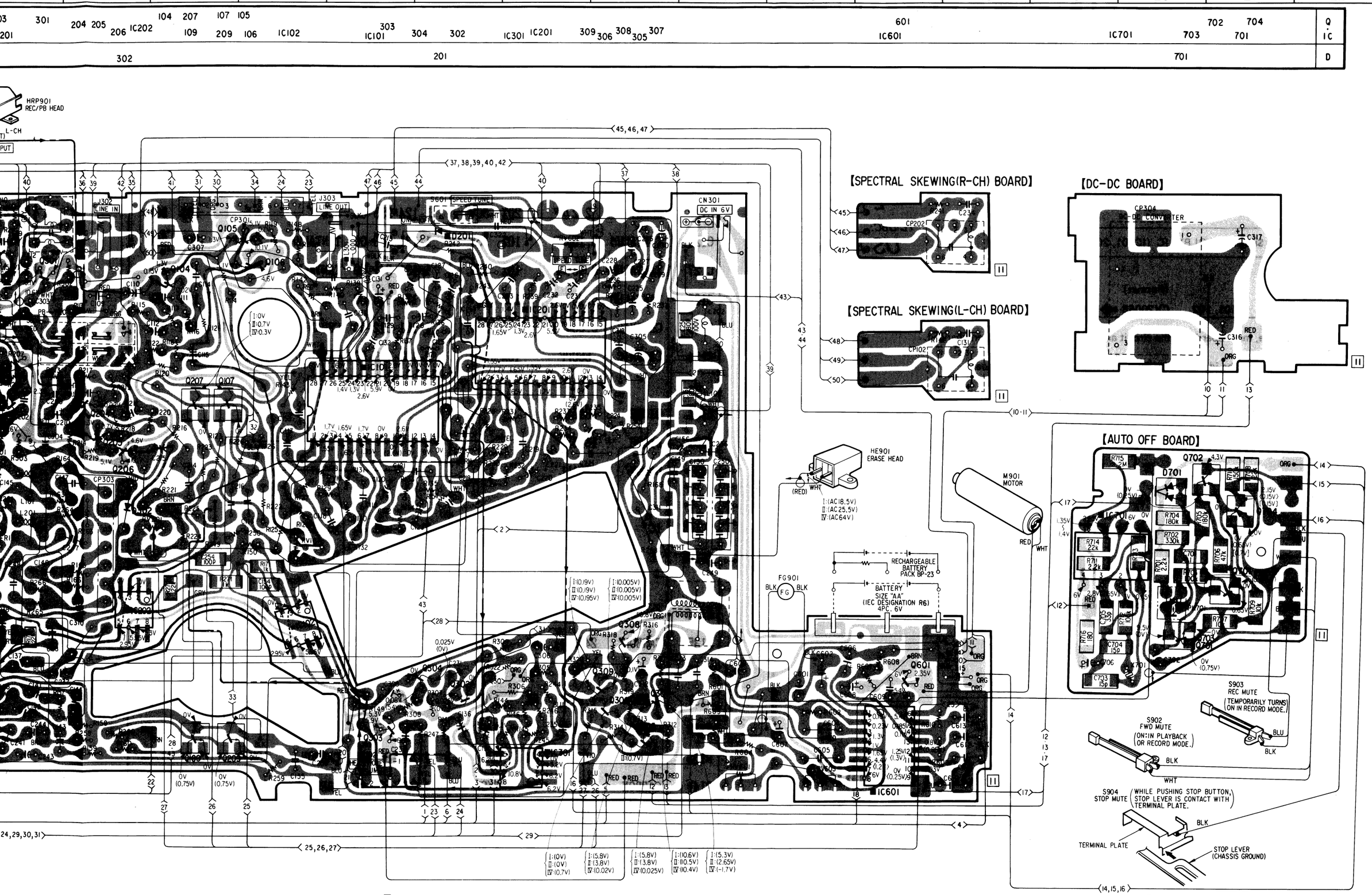
WM-D6C/TC-D6C WM-D6C

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A	Q / IC	IC801	801			108 208 101 IC302	103 102 202	203 201	301	204 205 206 IC202	104 207 109	107 105 209 106 IC102	IC101 303	304	302	IC301 IC201	309 306 308 305 307
B	D		805 804 803 802 801				303			302			201			

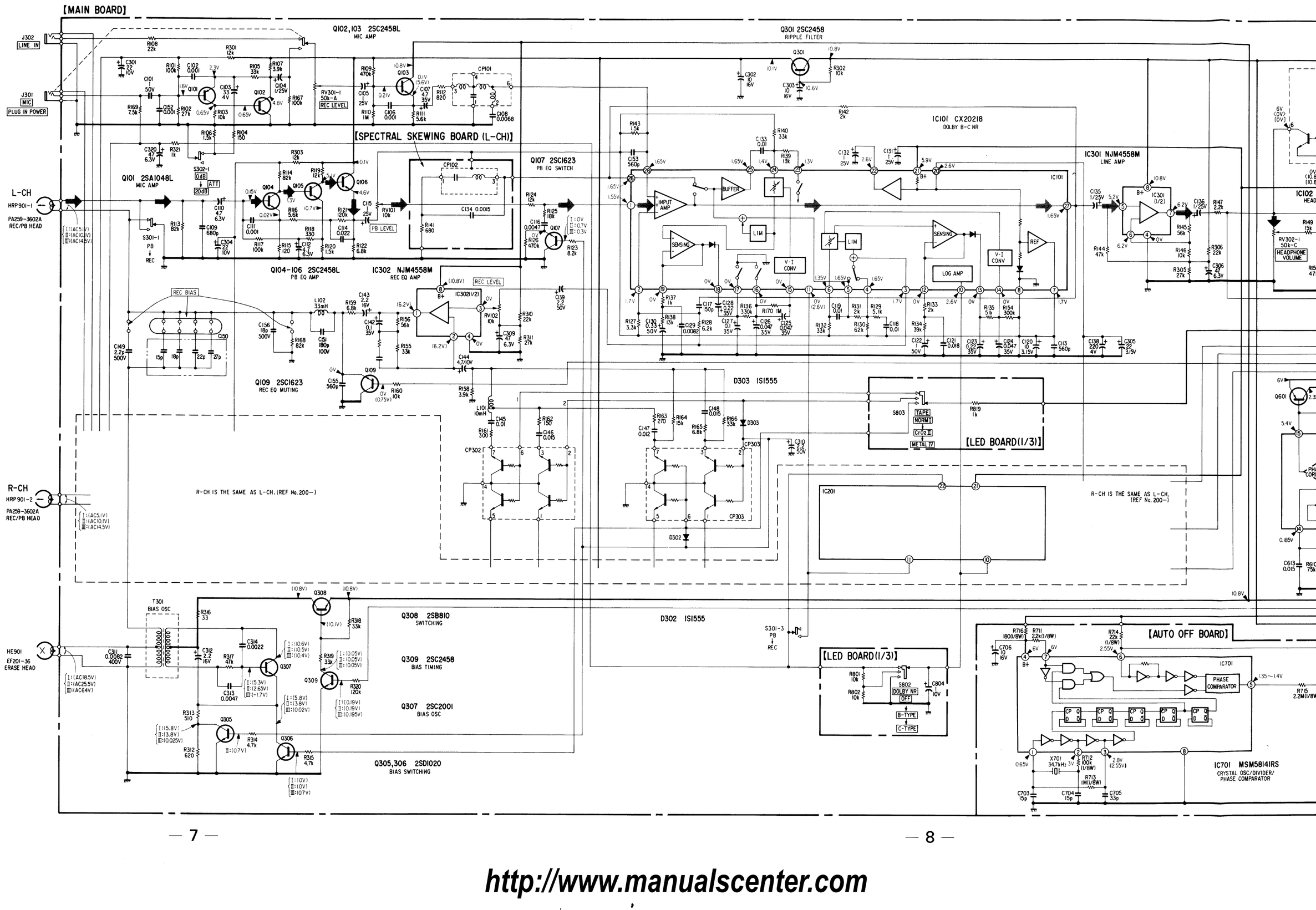
MOUNTING DIAGRAM

- See page 3 for Semiconductor lead layouts and note.

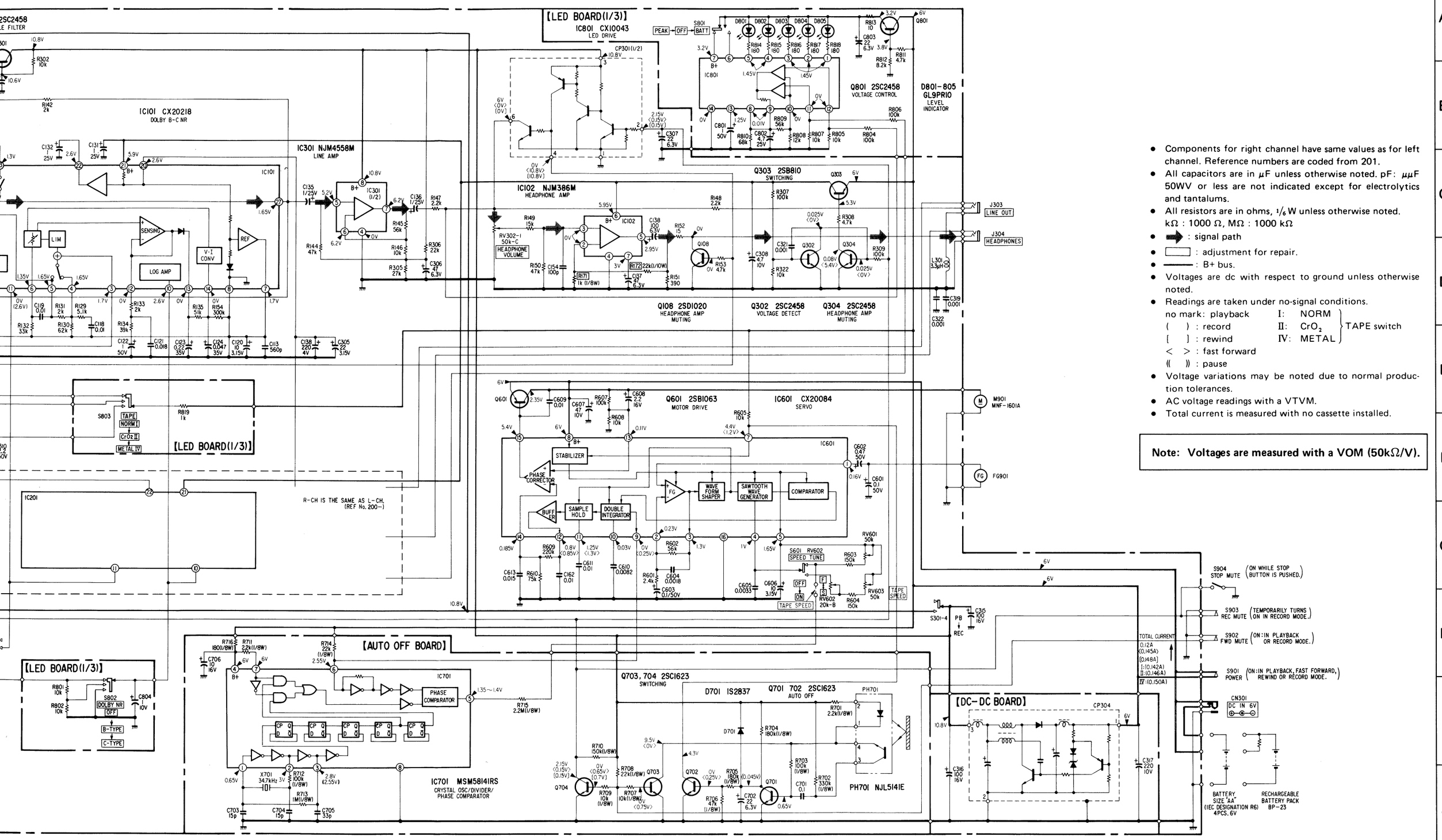



7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
A B C D E F G H I J
HRP901 REC/PB HEAD
L-CH
J302 LINE IN
J303 LINE OUT
CN301 DC IN 6V
SPEED TUNE
IC601
IC701
IC101
IC102
IC201
IC301
IC202
Q105
Q106
Q104
Q207
Q107
Q206
Q308
Q309
Q304
Q601
Q702
Q701
D701
HE901 ERASE HEAD
M901 MOTOR
FG901
RECHARGEABLE BATTERY PACK BP-23
BATTERY SIZE "AA" (IEC DESIGNATION R6) 4PC. 6V
【SPECTRAL SKEWING(R-CH) BOARD】
【SPECTRAL SKEWING(L-CH) BOARD】
【DC-DC BOARD】
DC-DC CONVERTER
【AUTO OFF BOARD】
S901 REC MUTE (TEMPORARILY TURNS ON IN RECORD MODE.)
S902 FWD MUTE (ON:IN PLAYBACK OR RECORD MODE.)
S904 STOP MUTE (WHILE PUSHING STOP BUTTON, STOP LEVER IS CONTACT WITH TERMINAL PLATE.)
TERMINAL PLATE
STOP LEVER (CHASSIS GROUND)
45,46,47
37,38,39,40,42
43
43 44
10·11
2
28
29
4
14,15,16
12 13 17
25,26,27
24,29,30,31

SCHEMATIC DIAGRAM



http://www.manualscenter.com



- Components for right channel have same values as for left channel. Reference numbers are coded from 201.
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, 1/6 W unless otherwise noted. kΩ : 1000 Ω, MΩ : 1000 kΩ
- ➡ : signal path
- ▭ : adjustment for repair.
- ——— : B+ bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal conditions.
  - no mark: playback
  - ( ) : record
  - [ ] : rewind
  - < > : fast forward
  - (( )) : pause
  - I: NORM
  - II: CrO_2
  - IV: METAL
  - } TAPE switch
- Voltage variations may be noted due to normal production tolerances.
- AC voltage readings with a VTVM.
- Total current is measured with no cassette installed.

Note: Voltages are measured with a VOM (50kΩ/V).